

Supervisory Process Control System RFP (#05-085-KAH)

Subject: Questions/Answers June 6th, 2006

GENERAL QUESTIONS ASKED BY CONTRACTORS

QUESTION 05:19-#1

Is there a separate instrumentation RFP that would supply the instrumentation hardware and instrumentation services for the 2 existing plants and the future Brightwater plant?

ANSWER 05:19-#1

1) No, Instrumentation is not included in this RFP scope.

QUESTION 06:05-#1

With the bid date getting extended to June 29th, has the demo that was originally scheduled for July 17 been extended also?

ANSWER 06:05-#1

1) Yes, the RFP phase 2 functional verification test date will be extended by an appropriate amount of time corresponding to the RFP due date extension. Actual date is to be announced prior to or with short list notification.

QUESTION 06:05-#2

The current RFP has manufacturer's quoting on the Hardware, Software and some minor programming but no final integration, screen development or turn key solution. What is the intention of King County to contract for integration services like data base development, loop programming, etc after the hardware/software vendor is selected.

ANSWER 06:05-#2

2) SPCS system engineering services, including integration, configuration, programming, screen graphics, database assistance, and general implementation optimization, are discussed in the RFP sections referenced below:

Start of RFP quotes:

01 Exhibit C1

00 Tier 0 System Summary

2.2 GENERAL REQUIREMENTS

B. Supervisory Process Control System (SPCS)

20. Configuration of the SPCS, including process operator graphics, process control programming system databases, and I/O assignments will be completed by the County, and with full support and involvement from the Contractor. A detailed scope of work for this activity will be determined after the contract award, based on the system support pricing structure which is part of the RFP requirements.

a) No specific overall cost will be included in the response to the RFP for this function, other than the pricing structure requested in Exhibit C8.

b) The Contractor shall include the capability of their staff in the areas of training and technical support, as well as advanced systems configuration and programming, as described in Exhibit C5.

Exhibit C7:

2.0 EXHIBIT C1 SYSTEM SPECIFICATIONS, TIER 0

B. Plant Supervisory Process Control System (SPCS)

D. Not in the SPCS RFP Scope of Work

This clause serves as a clarification only. The following work is not included in the SPCS RFP:

- a) Installation of the SPCS at the County's site
- b) Process control-based programming for the County's site applications
- c) Field testing of process control applications at the County's site
- d) Overall process control commissioning at the County's site

2.11 ENGINEERING AND CONFIGURATION SUPPORT SERVICES REQUIREMENTS

- A. The Contractor shall propose qualified staff for the functions listed below, and include pertinent qualifications and experience of the named staff with the proposal. For the normalized ACC model, 2000 hours of support shall be itemized in the BOM as follows:

1. 1400 hrs for SPCS programming, system configuration, and integration support
2. 400 hrs for site support and site commissioning assistance
3. 200 hrs for hardware and network support and system engineering support
4. The proposed staff shall be classified according to experience levels. Junior is considered as having less than three years of experience in the required area of expertise; intermediate is considered as having three to five years in the required area of expertise; and senior is considered as having six to ten years in the required area of expertise.

Services shall be held in reserve by the County and used only when authorized by the County. County shall pay for these services only when authorized and the associated work has been performed and accepted.

B. System Engineering Support

At the County's request, the Contractor shall provide a proposal for system engineering support as additional assistance with the system implementation becomes necessary. The nature of the work shall be as follows:

- a) Assist the County with engineering for the proposed system detail design and implementation in site-specific conditions, to ensure the most efficient and appropriate implementation of the system. The general level of skills intended for this function is a system development, design, or implementation engineer, with three to five years of experience with the proposed system.

C. System Configuration and Integration Support

The Contractor's proposed staff shall be experienced in the proposed system detail configuration and programming, as well as site implementation and commissioning. This service shall be required to ensure the most efficient and appropriate programming and implementation of the system in site-specific conditions. The general level of skills intended for this function is system programming, configuration, and testing, in all aspects of logic programming, database development, graphical user interface development, and other functions directly required for successful integration of the proposed system. A system implementation engineer or technology expert, with over five years of experience with the proposed system, is required.

D. Site Commissioning Assistance

Commissioning assistance outside of the contract requirements may be required for the County, to ensure the most efficient and appropriate commissioning of the system. The general level of skills intended for this function is a system commissioning specialist, with over five years of experience with the proposed system.

1.1 **DESCRIPTION**

C. Pricing Structure for Service

1. For service items, the proposed pricing structure must indicate the annual escalation factors for the duration of the initial contract.
2. The itemized BOM for services from Exhibit C7 shall extend to estimate the annual increases in service rate for each service for Exhibit C8 in terms of hourly rate.
3. Pricing structure is required for:
 - a) Required services:

These are specified services that form the mandatory scope of supply and total price of the RFP.
 - b) Optional services:

These are specified services, but are not part of the mandatory scope of supply, and do not enter into the total price of the RFP. The County will decide to proceed with the purchase of these services at their discretion.
 - c) Other items:

These are not specified services, but as determined by the Contractor, may be beneficial for the system and the County's future needs. The County requests that the Contractor provide a list of these services, with a pricing structure for future purchasing and considerations by the County.

D. Use this Exhibit C8 in conjunction with all other Sections of this RFP.

End of RFP quotes:

Further, pricing structure for the above is requested in the RFP in Exhibit C8, table C8-22 for example. Extent of competency and ability to provide the services, level and quantity of resource expertise, and rates are to be submitted, per the language of the RFP.

Additional information:

Any need for control system integration services outside of the team of WTD staff and the SPCS engineering services staff will be evaluated in concert with the SPCS RFP process. Following SPCS contract award, the County will establish an SPCS Development, Programming and Commissioning (DPC) team. The initial intent for this SPCS DPC Team is to provide continuous and sustained roll out of the SPCS to the WTD South Plant control system replacement project. It is planned that the same or similar team will support design and implementation for subsequent installations at other WTD facilities and including integration of the Regional-SPCS.